

ABSTRACT OF THE DISCLOSURE

The invention relates to a transmitter which comprises a modulator providing a phase-modulated constant-envelope
5 radio-frequency signal, and to a method of controlling the power level of a signal output by such a transmitter. In order to enable a power control over a large power range, it is proposed that a provided phase-modulated constant-envelope radio-frequency signal is divided into
10 two identical signals for the power control. A first control arrangement then controls the output power for higher power levels by controlling amplifications applied to the two signals. A second control arrangement controls the output power for lower power levels by controlling
15 phase shifts applied to the two signals. The processed signals are then combined and provided as a power controlled output signal.

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For publication: Figure 2